## (19) World Intellectual Property Organization

International Bureau



553870 

(43) International Publication Date 30 June 2005 (30.06.2005)

## (10) International Publication Number WO 2005/059528 A1

(51) International Patent Classification7:

G01N 21/77

(21) International Application Number:

PCT/JP2004/018772

- (22) International Filing Date: 9 December 2004 (09.12.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003-418173

16 December 2003 (16.12.2003)

- (71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): NISHIUMA, Satoru [JP/JP]; c/o Canon Kabushiki Kaisha, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 1468501 (JP).
- (74) Agents: OKABE, Masao et al.; No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, 1000005 (JP).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPTICAL ANALYSIS DEVICE

(57) Abstract: An optical analysis device comprises a lighttransmitting member for transmitting light, having an external face capable of immobilizing a detectionobjective substance, a light separating means for separating an exciting light introduced into the light-transmitting member at a first end thereof and transmitted through the light-transmitting member, and a fluorescence light produced by excitation of the detection-objective substance by the exciting light, at a second end of the light-transmitting member, and a detecting means for detecting the fluorescence light separated by the light separating means.

